

CROSS-REFERENCE TO RELATED APPLICATIONS

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This application is a continuation-in-part of U.S. Application No. 09/122,629, filed July 27, 1998, now U.S. Patent No. 6,133,022, which is a continuation-in-part of U.S. Application No. 08/613,586, filed March 12, 1996, now U.S. Patent No. 5,786,209, which is a divisional of U.S. Application No. 08/215,416, filed March 21, 1994, now U.S. Patent No. 5,525,301, which is a continuation-in-part of U.S. Application No. 07/911,052, filed July 9, 1992, now U.S. Patent No. 5,296,197, the entire contents of each of these applications is hereby incorporated by reference.

In the Claims:

Please amend the claims as follows:

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1. (Twice Amended) A valve for insertion into a ferrule having a given internal diameter, the valve having a sample cavity, a sampling orifice and a drain outlet, the sampling orifice and drain outlet being operatively connected to the sample cavity, a diameter of the sampling orifice can be calculated with the following formula:

$$D_{ov} < \text{or} = D_{fv} - [(D_{r1} + D_{r2}) + (D_{v1} + D_{v2}) + (D_{w1} + D_{w2}) + (D_{s1} + D_{s2}) + D_{iv} + D_{dv}]$$
, wherein D_{ov} is the diametric height for orifice